

## **S. Belviso**

Seawater concentrations of dimethylsulfoniopropionate (DMSP) were determined following hydrolysis, purge, cryotrapping, and sulfur-specific gas chromatography processes described by Christaki et al., 1996 (Mar. Ecol. Prog. Ser., 141, 119-127). Total DMSP was determined by subtracting DMS from DMS+DMSP determined in hydrolysed unfiltered samples. Reverse flow filtration was used to size fractionate particulate DMSP (pDMSP). The size fractions are pDMSP>10 µm and pDMSP<10 µm. Dissolved compounds (dDMSP and DMS) were measured in seawater filtered through Whatmann GF/F glass fiber filters. dDMSP was determined by subtracting DMS from DMS+dDMSP determined in hydrolysed filtered samples.

File format: Tab-delimited text

SURFACEDMS(P): Col 1: date, Col 2: DMS in nmol/l, Col 3: total DMSP in nmol/l

SURFACEUPWDMS(P): Col 1: station number, Col 2: thermosal, Col 3: DMS in nmol/l, Col 4: pDMSP in nmol/l, Col 5: pDMSP>10µm in nmol/l, Col 6: pDMSP<10µm in nmol/l, Col 7: dDMSP in nmol/l.

The size fractionation in the Upwelling area was performed from pumped seawater samples (hydrocasts elsewhere)

DISCRETEDMS(P): Col 1: station number, Col 2: bottle number, Col 3: unverified depth, Col 4: DMS in nmol/l, Col 5: pDMSP in nmol/l, Col 6: pDMSP>10µm in nmol/l, Col 7: pDMSP<10µm in nmol/l, Col 8: dDMSP in nmol/l.